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SH&G

July 8, 1983
13155

Central Intelligence Agency
Building Planning Staff
Room 4E50
CIA Headquarters Building
Washington, DC 20505

STAT Attention:

Re: Site Tree Inventory
Log 151

Gentlemen:

Enclosed for your review is a copy of the documentation of our site inventory team who inspected the trees which will be lost due to construction of the Headquarters Expansion project.

Very truly yours,

Wm. Everett Medling
Project Manager

WEM:clm
Enclosure

Smith, Hinchman & Grylls Associates, Inc. 455 West Fort Street Detroit, Michigan 48226 313/964-3000 810/221-9463 Telex
Architects Engineers Planners
A Member of The Smith Group Inc.

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JJR

Report

☐ Conference
☒ Field Inspection
☐ Telephone Conversation

project: Washington D. C. Customer
JJR No. 13120

location: Washington, D. C.

date: 30 June 1983

participants: [redacted]

STAT

John Krueger
Rik Haugen

items discussed:

Primary purpose of the visit was to inventory existing trees that will be lost during construction and evaluate their transplant potential in lieu of demolition. In general, site maintenance appears to be very good, and most trees were in a vigorous, well-groomed condition. For the most part, trees were larger than anticipated. Before starting the inventory, 12-inch caliper trees were selected as the upper size limit that could be practically moved using conventional mechanical tree-moving equipment. Although larger trees can be moved, the cost of preparing and moving them becomes prohibitive.

Throughout the construction zone, each tree was identified by species, measured for trunk diameter, and evaluated for crown condition. A summary of the inventory follows:

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Species	Grade+	Trunk Diameter*											
		2	3	4	5	6	7	8	9	10	11	12	
Pin Oak	P		1			4	2	1	1				
	L					2	1	3	5	4	2		
	S					1	3	1	3	5	3	3	
Red Oak	L							1					
Red Maple	L									1		4	
Dogwood	L	1	1	4									
Magnolia	L				1								
Hawthorn	L				2			2					
TOTALS		1	2	4	3	7	6	8	9	10	5	7	62

+P = Park Grade, L = Landscape Grade, S = Specimen Grade
*Diameter in inches 12" above grade.

Of the trees inspected, five to ten occur on slopes that may limit equipment access, and 26 occur in parking lot cutouts that may require some asphalt removal prior to digging.

Possible transplant locations were considered at the Motor Pool, South Parking Lot, Power Plant, and screening along the east side of the South Entry. The most accessible and probably most appropriate planting site for all but the park grade shade trees would be the South Parking Lot and the Motor Pool. The park grade trees could be planted at the Motor Pool or along the South Entry. Grade and equipment changes associated with the Power Plant make installation at that site unadvisable.

With the possible exception of the 11- and 12-inch trees and those on slopes, all the material could be moved with a mechanical tree spade, which is normally the most economical means of transplanting. Preliminary discussions with contractors indicate that trees could be dug, planted, pruned, and guyed for $55 - $65 per caliper inch. The work could be completed in one to two weeks using a four-man crew. Asphalt removal, if needed, would be an additional cost. Based on the figures received, total project cost is estimated to be $28,000 - $35,000. Although the cost seems high, it is approximately 30 to 40 percent less than if the trees were purchased from outside sources.

The other factor to consider before proceeding with transplanting is potential rate of loss. Most of the species being considered move quite well, and an 80 to 90 percent survival rate can be expected if

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planting takes place at the right time of year. All of the materials in question should be moved in the late winter or early spring; deviations from those timeframes could increase mortality substantially.

Cursory inspection of the wooded hillside being preserved during construction indicated that some mature timber can be saved. However, the density of vegetation made it difficult to assess the quality and character of individual trees within the stand. Areas being preserved should be solidly enclosed prior to construction so that valuable trees within these critical zones can be adequately protected. Once construction limits have been set, more detailed inspection should be made and an improvement plan prepared that is consistent with landscape concepts established for the site.

Respectfully submitted,

JOHNSON, JOHNSON & ROY/inc.

Richard M. Haugen, Jr.

RMH/wjf

cc: J. Krueger
J. Christman
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